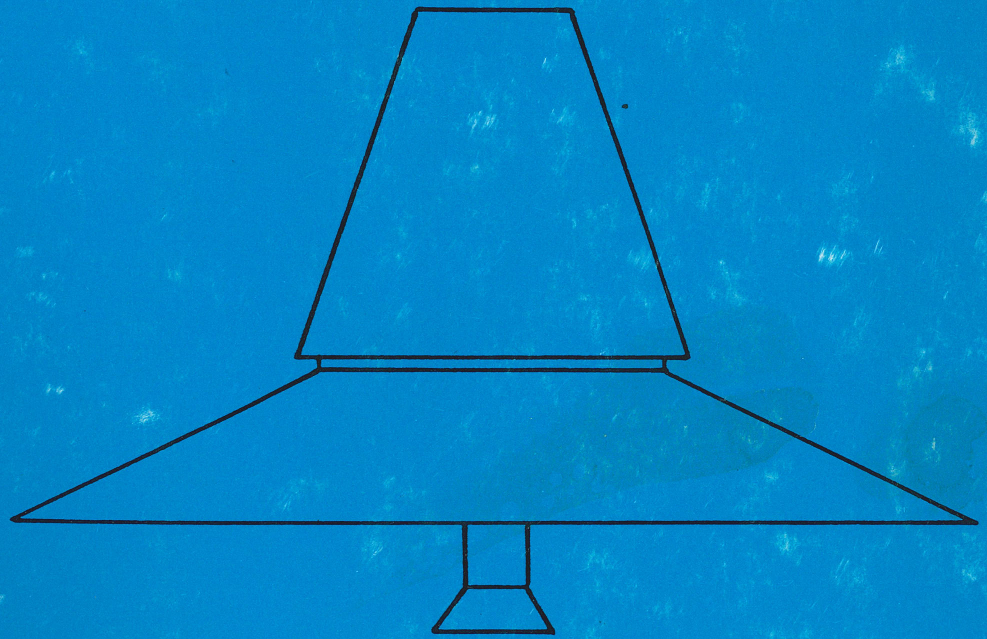
LOCKE INSULATORS®

Locke Insulators, Inc.
2525 Insulator Drive
Baltimore, Maryland 21230
Telephone: (301) 752-8020

Catalog No. 761

LOCKE SUSPENSION INSULATORS



LOCKE INSULATORS® • BALTIMORE, MARYLAND

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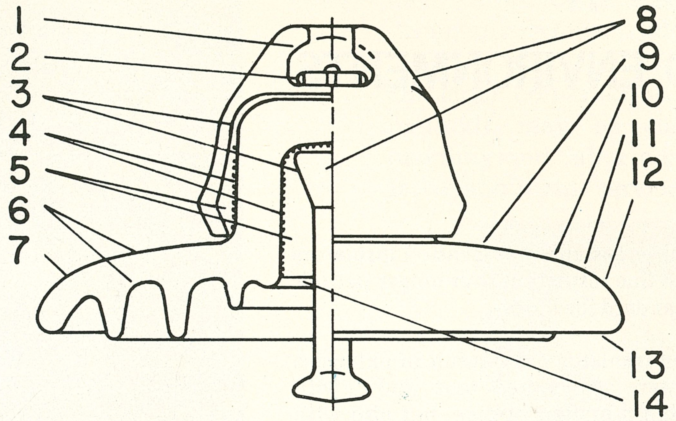
DESIGN FEATURES

OF A LOCKE SUSPENSION INSULATOR



1. Ball and socket connections provide easy, quick, and positive coupling of insulators. Ball and socket dimensions conform with ANSI Standards and are routinely checked with the ANSI gages.

2. Ball and socket insulators are furnished with a split cotter key for positive locking. The cotter key is humped to keep the key in its locked and unlocked positions. Both legs of the key are spread so that the key cannot be withdrawn completely out of the socket. Uncoupling of one insulator from another is prevented when the cotter key is engaged under the ball bolt. Cotter keys are made of an austenitic type stainless steel.

3. A resilient coating on the inside of the cap and on the ball bolt provides a cushion for thermal expansion as well as protection of the galvanized coating from chemical action of the cement.

4. Sanded surfaces on the shell provide a firm gripping surface for the cement used to attach the hardware. The particle size distribution of the sand is rigidly controlled to assure the highest shear strength of the sanded surface.

5. A special Portland cement specially compounded, mixed and cured under optimum conditions, is used to attach hardware to the porcelain.

6. Each class of insulator has its own unique geometrical configuration so as to provide the maximum leakage distance consistent with maximum performance.

7. The heavy rounded section of the shell provides protection against chipping and rough handling.

8. Caps are manufactured of forged steel or malleable iron per ASTM Spec. A.47-68 or ASTM Spec. A-220-68. Pins are forged steel. Caps and pins are galvanized per ASTM Spec. A.153-73 and provide maximum protection against corrosive environments.

9. Each shell is permanently marked to show the value of the proof test load applied to each insulator.

10. All exposed surfaces of the shell are glazed, providing a smooth surface, easily cleaned of dirt or contamination. The glaze is specially formulated to be prestressed in compression for maximum impact resistance.

11. Insulators are furnished with the following glaze colors: light gray, dark gray, dark (royal) blue, and brown.

12. The porcelain is the toughest known, made from one of the newer alumina type ceramic compositions. The shell is capable of withstanding extremely rough handling as well as the blistering heat of a power arc.

13. Insulators are furnished in accordance with the provisions of ANSI Standard C29.2-1971, or its latest revision. Before shipment each insulator is mechanically proof-tested to 50% of its M&E rating. Following the proof-test, each insulator receives a 60 Hz electrical test for three minutes.

14. For additional protection in highly corrosive locations, Lokgard lead sleeves can be furnished to inhibit corrosion of the ball bolt and also to relieve stress in the porcelain from the products of corrosion. For applications on D.C. transmission lines, ball bolts can be supplied with zinc sleeves.

HLD®SUSPENSION INSULATORS FOR APPLICATION IN CONTAMINATED ENVIRONMENTS

OPTIMIZING DESIGN

The purpose of HLD (High Leakage Distance) suspension insulators is to provide efficient transmission line insulation over longer periods of contamination buildup than standard insulators.

The design of the HLD suspension insulator is the result of extensive development programs that were concerned not only with maximizing leakage distance within a limited outline, but also with skirt configuration, skirt spacing, and washing characteristics of the insulator shape. The HLD suspension insulator is the optimization of the numerous design characteristics that affect the performance of a suspension insulator in contaminated environments.

LEAKAGE DISTANCE

It is generally accepted by the industry that the performance of suspension insulators in contaminated atmospheres is a function of the leakage distance of the insulator. Locke insulator designers recognized this premise in designing the HLD insulator, but also included other important design features.

HLD suspension insulators inherently have 40% to 50% more leakage distance than standard suspension insulators of the same shell diameter. The low profile shell with precisely designed contours provides the optimum effective leakage distance and helps assure leakage distance recovery under minimal wash conditions.

The HLD suspension insulator has demonstrated its superior performance over several years and provides the transmission line designer with a proven device to build a new factor of reliability into his electrical circuit.

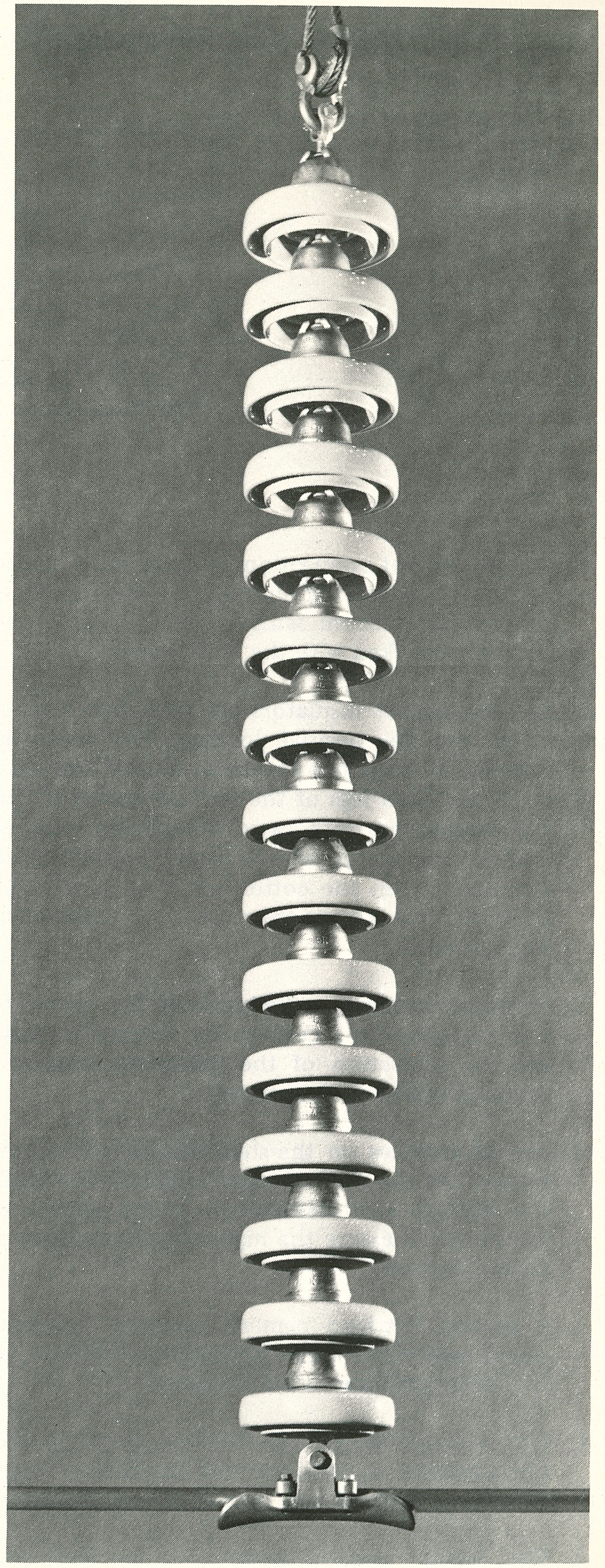
M & E STRENGTH

To provide the transmission line designer with maximum flexibility, HLD suspension insulators are available in both ball and socket and clevis type construction and in M & E strength ratings of 20,000 lb., 30,000 lb., and 40,000 lb.

HLD BENEFITS

The HLD suspension insulators provide transmission line designers with new time-efficiency values for transmission line economies, new time-efficiency values for line protection and new time-efficiency values for reduced maintenance. This means:

- Reduced insulator string lengths
- Reduced right-of-way requirements
- Reduced cleaning costs
- Reduced frequency of silicone grease treatment
- Reduced probability of line faults due to contamination.
- Reduced tower heights.



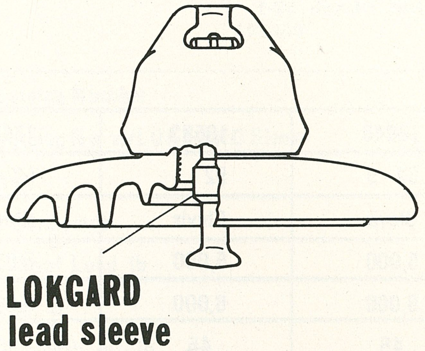
LOKGARD* SLEEVE

ANTI—CORROSIVE DEVICE AVAILABLE ON ANY LOCKE SUSPENSION INSULATOR.

Designed to check cement line corrosion and its attendant problems, the Lokgard sleeve acts in two ways to reduce line maintenance and risk of failure in corrosive atmospheres.

Rusting carbon steel has been reported to expand as much as 15 times the volume of iron it displaces. The ductile lead sleeve on the ball bolt acts as a pressure relief valve compensating for this pressure buildup and relieving stress on the porcelain.

More importantly, the lead sleeve actually inhibits corrosive action, significantly reducing buildup of corrosion deposits and checking erosion of the ball bolt.



This exclusive double protection reduces line maintenance in contaminated areas of salt air or industrial waste, and averts insulator failure, cracking, or explosion from corrosion buildup beneath the cement.

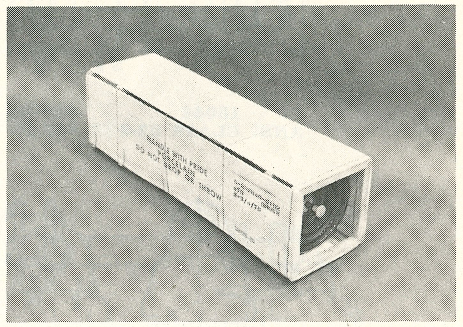
The Lokgard sleeve is available on all standard Locke suspension insulators as an optional, extra cost protection. For applications on D.C. transmission lines, ball bolts can also be supplied with zinc sleeves.

*Trademark of Locke Insulators Inc.

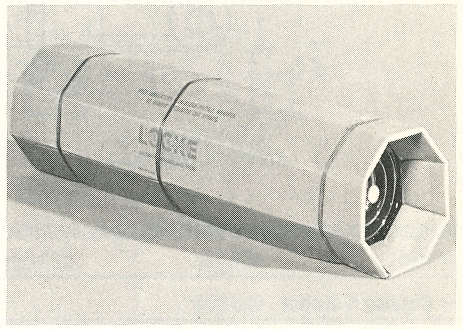
PACKAGING

Locke uses a variety of packaging materials and supplies suspension insulators in convenient individual strings or in palletized quantities. Palletized shipments reduce handling and labor.

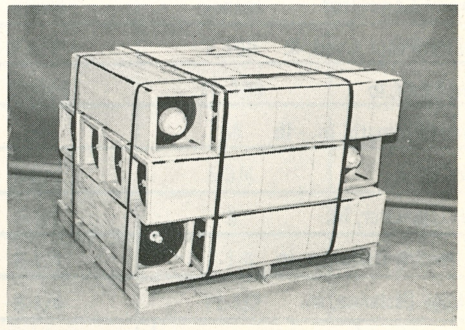
On large construction projects, special packaging methods may be employed to further reduce handling and labor costs. Ask your sales representative about this service.



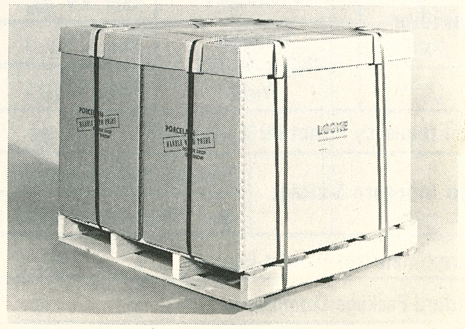
WIREBOUND PACK



CORRUGATED PACK

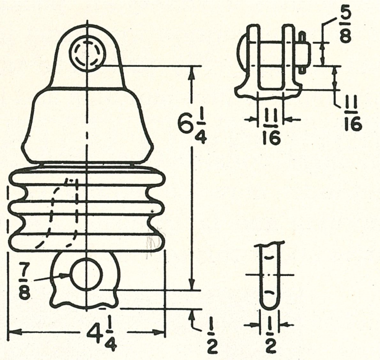


PALLETIZED PACK

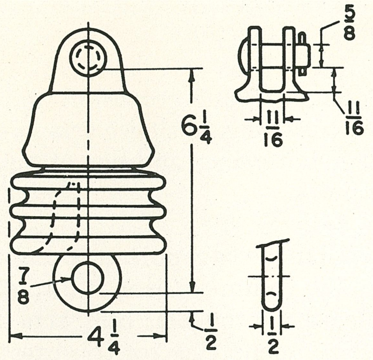


PALLET PACK

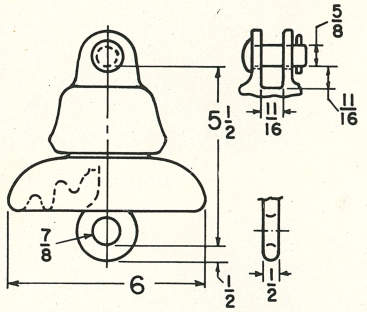
10,000 lb. SUSPENSION INSULATORS



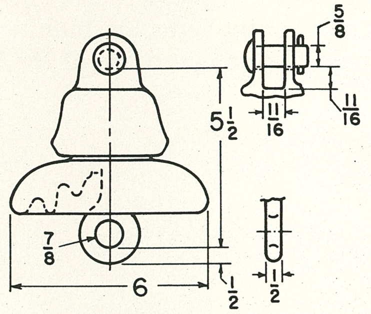
16044
ANSI CLASS 52-9



16045
ANSI CLASS 52-9



16583
ANSI CLASS 52-1

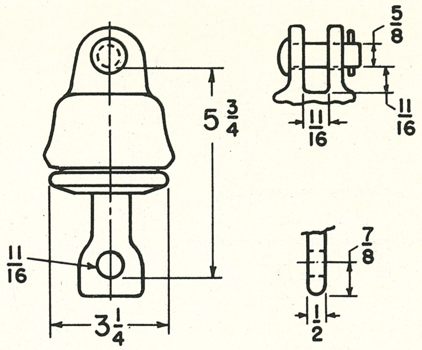


17583
RUGGED — HIGH IMPACT
ANSI CLASS 52-1

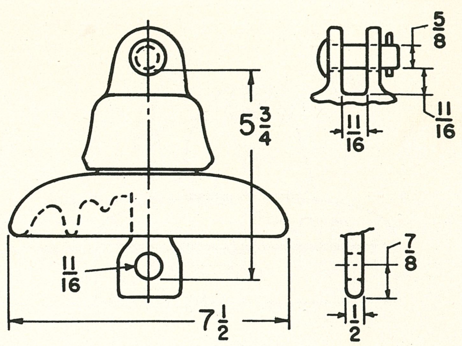
These insulators are supplied with light gray compression glaze.

Locke Catalog Number			16044	16045	16583	17583
ANSI Class			52 - 9	52 - 9	52 - 1	52 - 1
Type of Connector			Clevis	Clevis	Clevis	Clevis
Tension Proof Load, lb			5,000	5,000	5,000	5,000
Time Load, lb			6,000	6,000	6,000	6,000
Impact Strength, in. - lb			45	45	45	90
Spacing, in.			6-1/4	6-1/4	5-1/2	5-1/2
Shell Diameter, in.			4-1/4	4-1/4	6	6
Dry Arcing Distance, in.			4	4	4-1/8	4-1/8
Leakage Distance, in.			7	7	7	7
Flashover	Low Frequency	Dry, kV	60	60	60	60
		Wet, kV	30	30	30	30
	Impulse 1.2 x 50 MS Wave	Pos., kV	100	100	100	100
		Neg., kV	90	90	100	100
Low Frequency Puncture Voltage, kV			80	80	80	80
Radio Influence Voltage	Test kV RMS to Ground		7.5	7.5	7.5	7.5
	Max. Microvolt at 1000 kHz		50	50	50	50
Approximate Net Weight Each, lb			5.50	5.50	5.75	6.33
Standard Package Quantity			12	12	12	12

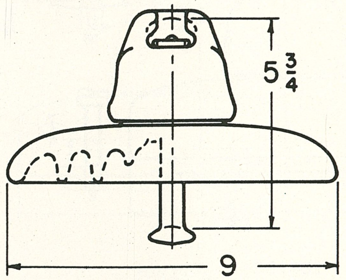
15,000 lb. SUSPENSION INSULATORS



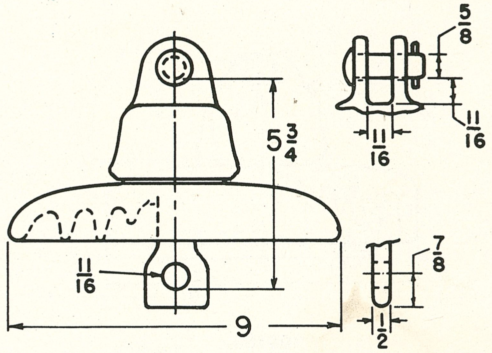
15S066



15S433
ANSI CLASS 52-2



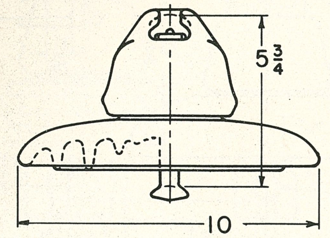
15S409



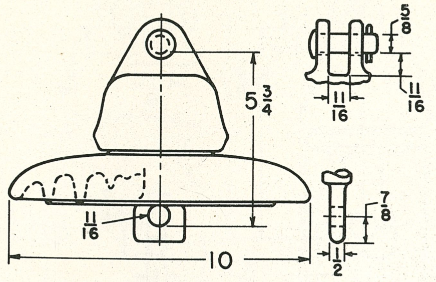
15S410

Locke Catalog Number			15S066	15S433	15S409	15S410
Locke Catalog No. w/LOKGARD Sleeve			-----	-----	15S449	-----
ANSI Class			-----	52 - 2	-----	-----
Type of Connector			Clevis	Clevis	Socket	Clevis
Tension Proof Load, lb			7,500	7,500	7,500	7,500
Time Load, lb			10,000	10,000	10,000	10,000
Impact Strength, in. - lb			-----	50	55	55
Spacing, in.			5-3/4	5-3/4	5-3/4	5-3/4
Shell Diameter, in.			3-1/4	7-1/2	9	9
Dry Arcing Distance, in.			1-1/2	6-1/4	7-1/4	7-1/4
Leakage Distance, in.			1-1/2	8-1/4	11-1/2	11-1/2
Flashover	Low Frequency	Dry, kV	25	65	80	80
		Wet, kV	10	35	50	50
	Impulse 1.2 x 50 MS Wave	Pos., kV	45	115	125	125
		Neg., kV	40	115	130	130
Low Frequency Puncture Voltage, kV			-----	90	110	110
Radio Influence Voltage	Test kV RMS to Ground		7.5	7.5	10	10
	Max. Microvolt at 1000 kHz		50	50	50	50
Approximate Net Weight Each, lb			4.00	7.00	8.25	8.25
Standard Package Quantity			12	8	6	6

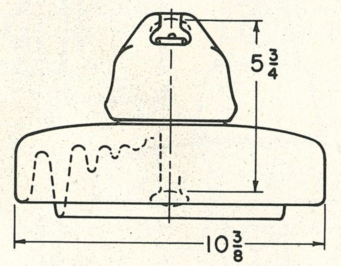
20,000 lb. SUSPENSION INSULATORS



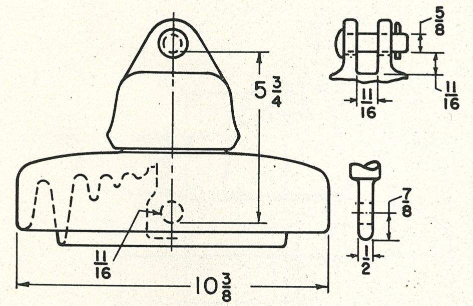
20S840
ANSI CLASS 52-3



20S580
ANSI CLASS 52-4



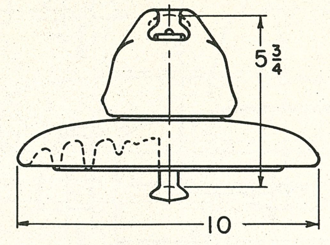
20S185
HLD



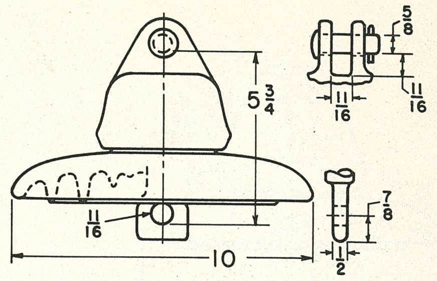
20S188
HLD

Locke Catalog Number			20S840	20S580	20S185	20S188
Locke Cat. No. w/LOKGARD Sleeve			20S195	-----	20S186	-----
ANSI Class			52 - 3	52 - 4	-----	-----
Type of Connector			Socket	Clevis	Socket	Clevis
Tension Proof Load, lb			10,000	10,000	10,000	10,000
Time Load, lb			12,000	12,000	12,000	12,000
Impact Strength, in. - lb			90	90	55	55
Spacing, in.			5-3/4	5-3/4	5-3/4	5-3/4
Shell Diameter, in.			10	10	10-3/8	10-3/8
Dry Arcing Distance, in.			7-3/4	7-3/4	8-1/2	8-1/2
Leakage Distance, in.			12	12	17	17
Flashover	Low Frequency	Dry, kV	80	80	100	100
		Wet, kV	50	50	55	55
	Impulse 1.2 x 50 MS Wave	Pos., kV	125	125	165	165
		Neg., kV	130	130	165	165
Low Frequency Puncture Voltage, kV			110	110	130	130
Radio Influence Voltage	Test kV RMS to Ground		10	10	10	10
	Max. Microvolt at 1000 kHz		50	50	50	50
Approximate Net Weight Each, lb			11.50	11.50	16.00	16.00
Standard Package Quantity			6	6	5	5

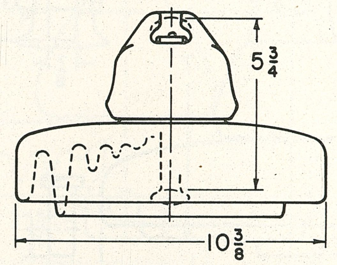
30,000 lb. SUSPENSION INSULATORS



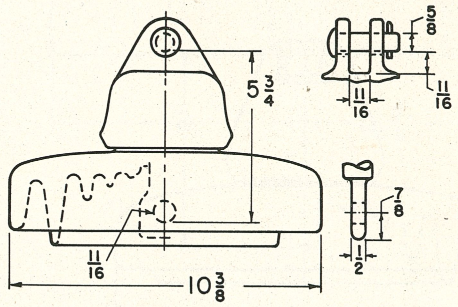
30S255
ANSI CLASS 52-5



30S257
ANSI CLASS 52-6



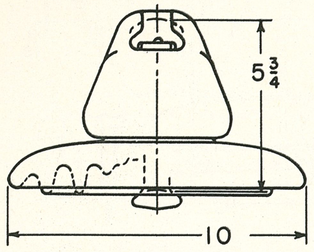
30S263
HLD



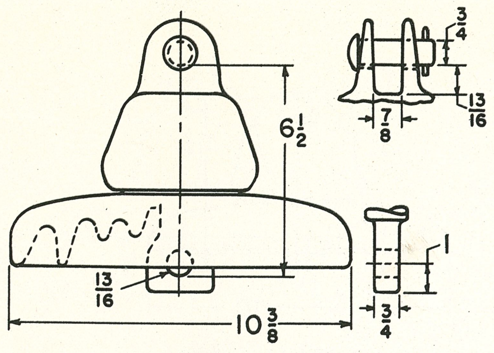
30S268
HLD

Locke Catalog Number			30S255	30S257	30S263	30S268
Locke Cat. No. w/LOKGARD Sleeve			30S295	-----	30S273	-----
ANSI Class			52 - 5	52 - 6	-----	-----
Type of Connector			Socket	Clevis	Socket	Clevis
Tension Proof Load, lb			15,000	15,000	15,000	15,000
Time Load, lb			18,000	18,000	18,000	18,000
Impact Strength, in. - lb			90	90	55	55
Spacing, in.			5-3/4	5-3/4	5-3/4	5-3/4
Shell Diameter, in.			10	10	10-3/8	10-3/8
Dry Arcing Distance, in.			7-3/4	7-3/4	8-1/2	8-1/2
Leakage Distance, in.			12	12	17	17
Flashover	Low Frequency	Dry, kV	80	80	100	100
		Wet, kV	50	50	55	55
	Impulse 1.2 x 50 MS Wave	Pos., kV	125	125	165	165
		Neg., kV	130	130	165	165
Low Frequency Puncture Voltage, kV			110	110	130	130
Radio Influence Voltage	Test kV RMS to Ground		10	10	10	10
	Max. Microvolt at 1000 kHz		50	50	50	50
Approximate Net Weight Each, lb			12.00	12.50	16.00	16.50
Standard Package Quantity			6	6	5	5

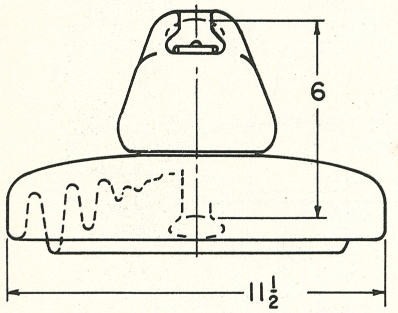
40,000 lb. SUSPENSION INSULATORS



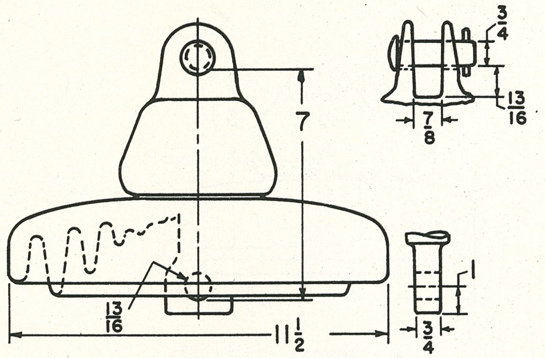
40S360
ANSI CLASS 52-8



40S290
ANSI CLASS 52-10



40S296
HLD

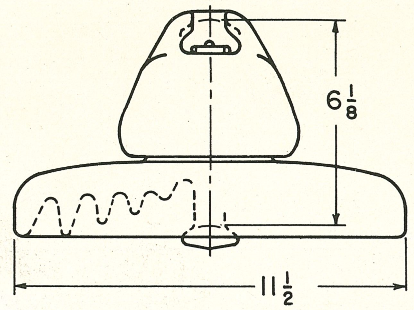


40S298
HLD

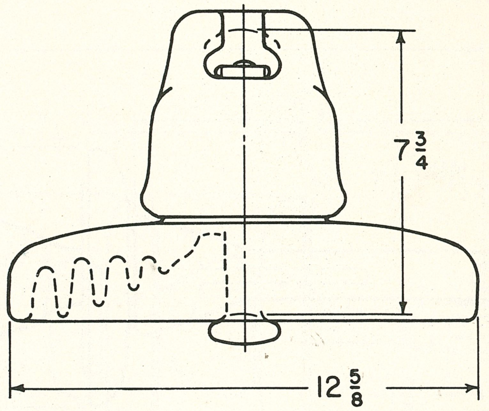
Locke Catalog Number			40S360	40S290	40S296	40S298
Locke Cat. No. w/LOKGARD Sleeve			40S370	-----	40S297	-----
ANSI Class			52 - 8	52 - 10	-----	-----
Type of Connector			Socket	Clevis	Socket	Clevis
Tension Proof Load, lb			20,000	20,000	20,000	20,000
Time Load, lb			24,000	24,000	24,000	24,000
Impact Strength, in. - lb			90	90	90	90
Spacing, in.			5-3/4	6-1/2	6	7
Shell Diameter, in.			10	10-3/8	11-1/2	11-1/2
Dry Arcing Distance, in.			7-1/2	7-1/2	9-1/2	9-1/2
Leakage Distance, in.			11-1/2	13	18-1/2	18-1/2
Flashover	Low Frequency	Dry, kV	80	80	100	100
		Wet, kV	50	50	60	60
	Impulse 1.2 x 50 MS Wave	Pos., kV	125	125	165	165
		Neg., kV	130	130	165	165
Low Frequency Puncture Voltage, kV			110	110	130	130
Radio Influence Voltage	Test kV RMS to Ground		10	10	10	10
	Max. Microvolt at 1000 kHz		50	50	50	50
Approximate Net Weight Each, lb			15.38	17.50	21.00	22.00
Standard Package Quantity			6	6	3	3

LOCKE INSULATORS®

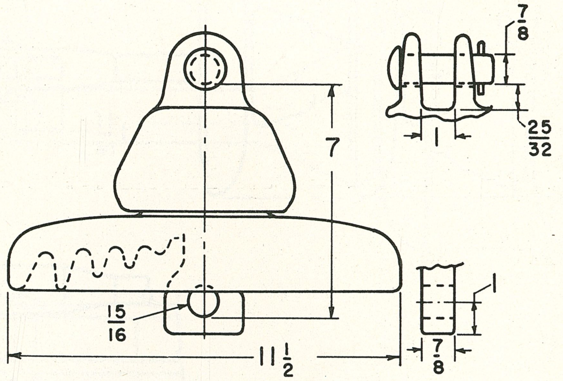
50,000 lb. & 66,000 lb. SUSPENSION INSULATORS



50S386
ANSI CLASS 52-11



66S396



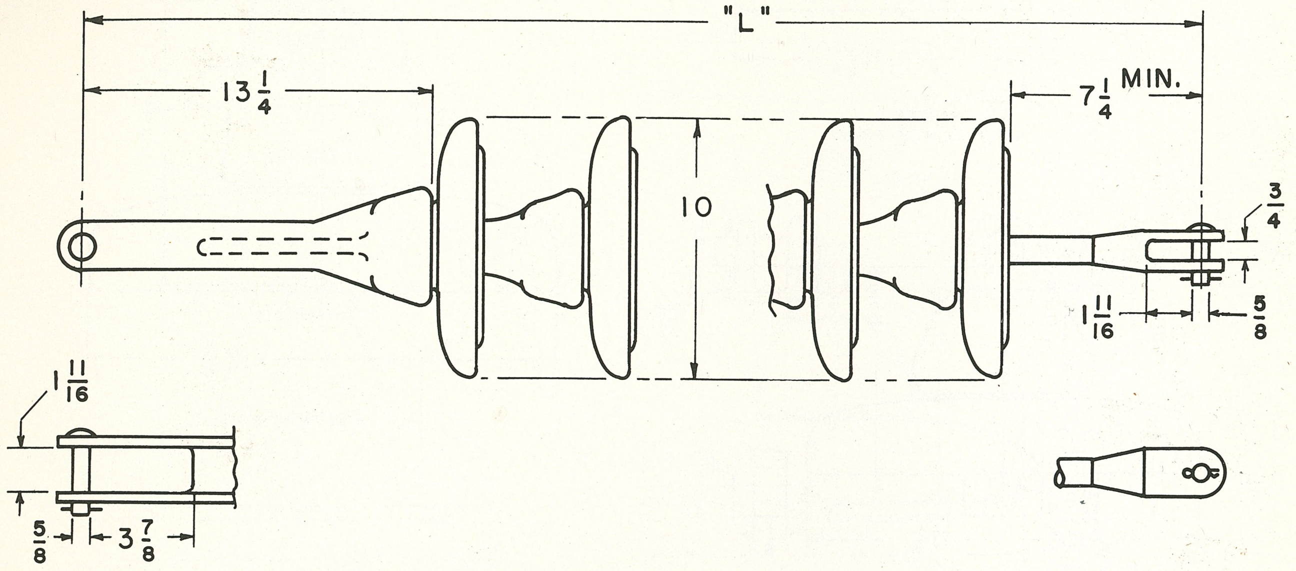
50S380
ANSI CLASS 52-12

Locke Catalog Number			50S386	50S380	66S396
Locke Cat. No. w/LOKGARD Sleeve			50S389	-----	-----
ANSI Class			52 - 11	52 - 12	-----
Type of Connector			Socket	Clevis	Socket*
Tension Proof Load, lb			25,000	25,000	33,000
Time Load, lb			30,000	30,000	44,000
Impact Strength, in. - lb			90	90	100
Spacing, in.			6-1/8	7	7-3/4
Shell Diameter, in.			11-5/8	11-5/8	12-5/8
Dry Arcing Distance, in.			8	8	10-1/4
Leakage Distance, in.			15	15	16-3/4
Flashover	Low Frequency	Dry, kV	80	80	95
		Wet, kV	50	50	55
	Impulse 1.2 x 50 MS Wave	Pos., kV	140	140	140
		Neg., kV	140	140	150
Low Frequency Puncture Voltage, kV			125	125	125
Radio Influence Voltage	Test kV RMS to Ground		10	10	10
	Max. Microvolt at 1000 kHz		50	50	50
Approximate Net Weight Each, lb			23	22	30
Standard Package Quantity			4	3	4

*IEC 24 mm coupling

LOCKE INSULATORS®

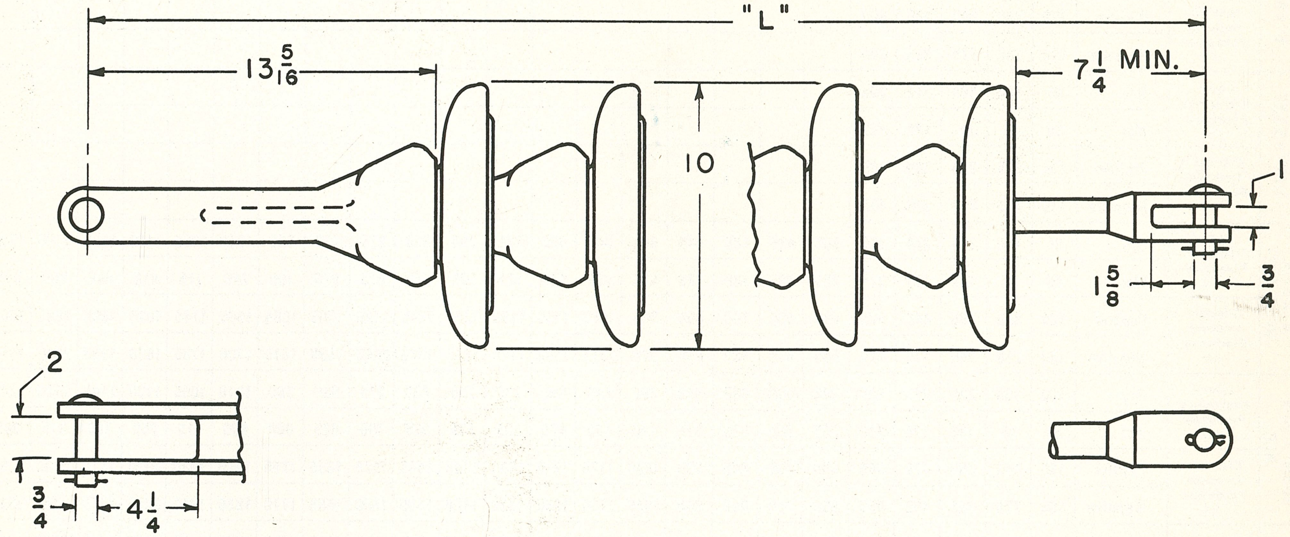
UNISPAR® SUSPENSION INSULATORS



STANDARD STRENGTH

				17804	17805	17806	17807	17808	17809	17810	17811	17812
Catalog Number	Gray Glaze			17804	17805	17806	17807	17808	17809	17810	17811	17812
	Brown Glaze			18804	18805	18806	18807	18808	18809	18810	18811	18812
Number of Shells				4	5	6	7	8	9	10	11	12
"L" Dimension, in.				39-3/4	45-1/2	51-1/4	57	62-3/4	68-1/2	74-1/4	80	85-3/4
Dry Arcing Distance, in.				25.00	30.75	36.50	42.25	48.00	53.75	59.50	65.25	71.00
Leakage Distance, in.				45	56	67	78	89	100	111	122	133
Rated Ultimate Strength	Compression, lb			15,000	15,000	15,000	15,000	15,000	15,000	15,000	13,500	12,000
	Tension, lb			12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000
Recommended Working Load	Compression, lb			9,000	9,000	9,000	9,000	9,000	9,000	9,000	8,000	6,250
	Tension, lb			6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000
F/O	Low Freq.	Dry, kV		270	325	380	435	485	540	590	640	690
		Wet	Vert., kV	170	215	255	295	335	375	415	455	490
			Horiz., kV	185	235	280	325	370	410	455	500	540
	Impulse 1½ x 40 MS Wave		Pos., kV	440	525	610	695	780	860	945	1025	1105
			Neg., kV	415	495	585	670	760	845	930	1015	1105
Standard Package Quantity				1	1	1	1	1	1	1	1	1

UNISPAR® SUSPENSION INSULATORS



HIGH STRENGTH

Catalog Number	Gray Glaze			17904	17905	17906	17907	17908	17909	17910	17911	17912	17913	17914	17915
	Brown Glaze			18904	18905	18906	18907	18908	18909	18910	18911	18912	18913	18914	18915
Number of Shells				4	5	6	7	8	9	10	11	12	13	14	15
"L" Dimension, in.				39-3/4	45-1/2	51-1/4	57	62-3/4	68-1/2	74-1/4	80	85-3/4	91-1/2	97-1/4	103
Dry Arcing Distance, in.				25.00	30.75	36.50	42.25	48.00	53.75	59.50	65.25	71.00	76.75	82.50	88.25
Leakage Distance, in.				42.0	52.5	63.0	73.5	84.0	94.5	105.0	115.5	126.0	136.5	147.0	157.5
Rated Ultimate Strength	Compression, lb			30,000	30,000	30,000	30,000	29,600	28,800	27,400	25,500	23,000	20,000	16,500	13,600
	Tension, lb			30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000
Recommended Working Load	Compression, lb			20,000	20,000	20,000	20,000	20,000	20,000	20,000	18.000	15,500	12,000	9,000	6,600
	Tension, lb			15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
F/O	Low Freq.	Dry, kV		250	300	350	395	440	485	530	580	625	670	715	760
		Wet	Vert., kV	165	200	235	270	300	335	365	400	430	465	500	530
			Horiz., kV	170	215	260	300	345	385	430	470	510	555	600	640
	Impulse 1½ x 40 MS Wave		Pos., kV	440	525	610	695	780	860	945	1025	1105	1185	1265	1345
			Neg., kV	415	495	585	670	760	845	930	1015	1105	1190	1275	1360
Standard Package Quantity				1	1	1	1	1	1	1	1	1	1	1	1

STRING FLASHOVER CHARACTERISTICS (based on ANSI C29.1 test procedures)

Disc Dia. x Spacing	NUMBER OF UNITS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
4-1/4" x 6-1/4"	Low - Frequency Flashover kV	Dry	60	110	155	200	245																				
		Wet	30	55	70	90	115																				
	Critical - Impulse Flashover kV	Positive	100	180	250	325	400																				
		Negative	90	170	250	325	400																				
6" x 5-1/2"	Low - Frequency Flashover kV	Dry	60	120	175	225	275																				
		Wet	30	55	80	105	130																				
	Critical Impulse Flashover kV	Positive	100	200	300	385	460																				
		Negative	100	190	275	355	435																				
7-1/2" x 5-3/4"	Low - Frequency Flashover kV	Dry	65	130	190	245	295																				
		Wet	35	65	95	130	165																				
	Critical - Impulse Flashover kV	Positive	115	225	310	390	465																				
		Negative	115	215	305	375	455																				
9" x 5-3/4" 10" x 5-3/4"	Low - Frequency Flashover kV	Dry	80	155	215	270	325	380	435	485	540	590	640	690	735	785	830	875	920	965	1010	1055	1100	1145	1190	1235	1280
		Wet	50	90	130	170	215	255	295	335	375	415	455	490	525	565	600	635	670	705	740	775	810	845	880	915	950
	Critical - Impulse Flashover kV	Positive	125	250	355	440	525	610	695	780	860	945	1025	1105	1185	1265	1345	1425	1505	1585	1665	1745	1825	1905	1985	2065	2145
		Negative	130	250	340	415	495	585	670	760	845	930	1015	1105	1190	1275	1360	1440	1530	1615	1700	1785	1870	1955	2040	2125	2210
10-3/8" x 5-3/4" HLD	Low - Frequency Flashover kV	Dry	100	160	220	275	335	390	440	490	540	590	640	690	735	785	830	875	920	960	1010	1055	1100	1145	1190	1240	1290
		Wet	55	95	135	175	215	255	295	335	375	410	445	475	505	535	565	595	625	660	690	715	750	780	815	845	875
	Critical - Impulse Flashover kV	Positive	165	280	380	470	565	660	750	845	935	1030	1125	1215	1305	1395	1485	1575	1665	1750	1840	1930	2020	2110	2200	2290	2380
		Negative	165	270	365	460	555	655	750	845	940	1035	1130	1230	1320	1420	1500	1600	1685	1770	1855	1940	2040	2130	2220	2310	2400
10-3/8" x 6-1/2"	Low - Frequency Flashover kV	Dry	80	175	240	305	365	425	480	540	595	650	700	755	805	855	905	955	1005	1055	1105	1150	1200	1245	1295	1340	1385
		Wet	50	105	145	190	235	275	315	360	400	440	480	520	560	595	635	670	710	750	785	820	855	890	925	960	995
	Critical - Impulse Flashover kV	Positive	125	310	420	515	610	700	795	890	990	1085	1175	1270	1365	1455	1545	1640	1725	1820	1915	2000	2085	2170	2260	2345	2430
		Negative	130	300	390	475	565	665	765	865	965	1065	1160	1260	1360	1450	1550	1645	1740	1835	1930	2030	2125	2220	2315	2415	2510
11-1/2" x 6" HLD	Low - Frequency Flashover kV	Dry	100	170	240	300	350	410	470	520	580	640	700	760	800	855	920	970	1015	1070	1120	1175	1240	1300	1355	1410	1465
		Wet	60	105	150	190	235	280	325	355	400	440	475	510	545	570	600	635	655	680	710	740	770	800	825	855	885
	Critical - Impulse Flashover kV	Positive	165	280	385	490	590	690	785	870	980	1070	1170	1280	1370	1470	1550	1650	1735	1810	1900	1970	2050	2130	2280	2360	2440
		Negative	165	300	395	490	580	660	750	840	950	1050	1165	1280	1380	1500	1600	1700	1790	1870	1950	2020	2100	2180	2260	2340	2420
11-1/2" x 7" HLD	Low - Frequency Flashover kV	Dry	100	190	260	330	400	470	540	600	660	720	780	840	900	950	1020	1070	1130	1190	1250	1305	1365	1420	1480	1540	1600
		Wet	60	100	150	200	250	300	350	390	440	475	520	560	590	620	650	680	710	740	770	805	835	860	900	930	960
	Critical - Impulse Flashover kV	Positive	165	280	400	510	620	740	850	970	1090	1200	1310	1430	1550	1660	1780	1900	2010	2120	2240	2355	2470	2590	2700	2820	2930
		Negative	165	290	410	520	630	750	860	980	1100	1210	1320	1440	1560	1670	1790	1910	2020	2130	2250	2365	2480	2600	2715	2830	2940
11-5/8" x 6-1/8"	Low - Frequency Flashover kV	Dry	85	160	220	280	340	395	450	500	555	600	655	700	750	800	850	900	945	990	1030	1080	1130	1175	1220	1265	1310
		Wet	50	95	140	180	225	265	310	350	390	430	470	510	550	585	625	660	700	735	775	810	850	885	920	960	995
	Critical - Impulse Flashover kV	Positive	140	270	380	480	575	665	755	840	930	1020	1110	1200	1285	1375	1465	1550	1640	1725	1810	1900	1985	2070	2155	2240	2320
		Negative	130	265	360	450	535	625	720	815	910	1010	1100	1200	1300	1395	1490	1590	1685	1780	1880	1975	2065	2155	2245	2335	2420
11-5/8" x 7"	Low - Frequency Flashover kV	Dry	100	190	260	330	400	470	540	600	660	720	780	840	900	950	1020	1070	1130	1190	1245	1300	1365	1420	1480	1540	1600
		Wet	60	100	150	200	250	300	350	390	440	475	520	560	590	620	650	680	710	740	770	800	835	865	895	930	960
	Critical - Impulse Flashover kV	Positive	165	280	400	510	620	740	850	970	1090	1200	1310	1430	1550	1660	1780	1900	2010	2120	2240	2350	2470	2580	2700	2820	2930
		Negative	165	290	410	520	630	750	860	980	1100	1210	1320	1440	1560	1670	1790	1910	2020	2130	2250	2365	2480	2600	2710	2830	2940
12-5/8" x 7-3/4"	Low - Frequency Flashover kV	Dry	95	180	260	335	400	465	530	595	660	720	780	840	895	950	1005	1060	1115	1170	1225	1280	1335	1390	1445	1500	1555
		Wet	55	100	145	190	235	280	325	370	415	460	510	555	595	635	675	720	760	800	840	880	920	960	995	1030	1065
	Critical - Impulse Flashover kV	Positive	140	270	400	495	590	685	775	870	965	1060	1155	1250	1350	1440	1530	1630	1725	1820	1915	2010	2100	2190	2280	2370	2460
		Negative	150	255	380	465	580	680	780	880	975	1080	1180	1280	1380	1480	1580	1680	1780	1880	1980	2080	2175	2270	2365	2460	2550

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